

XP-002125199

AN - 1994-165770 [20]  
AP - SU19914903683 19910118  
CPY - DNEP-R  
DC - M14  
DR - 1640-U 1724-U  
FS - CPI  
IC - C23C22/53  
IN - NAGIRNYI V M; PRIKHODKO L A  
MC - M14-D  
PA - (DNEP-R) DNEPR MASH TECHN INST  
PN - SU1801987 A1 19930315 DW199420 C23C22/53 002pp  
PR - SU19914903683 19910118  
XA - C1994-076129  
XIC - C23C-022/53  
AB - SU1801987 Galvanic coatings obt'd. from Zn alloys contg. 5-15% Ni, and which are applied to carbon steel and low-alloy steel components after stamping or machining, are blackened by treatment in an acidic soln. at room temp. The soln. contains (in g/litre) HNO<sub>3</sub> 70-100 and sulphamic acid 0.5-1.5.  
- Specimens of coated steel are acid treated at 18-25 deg.C for 5-20 seconds and then heated at 200-250 deg.C for 1-1.5 hours. Coating quality is assessed visually.  
- USE/ADVANTAGE - In mechanical engineering and the aircraft industry for prodn. of protective and decorative coatings. The process is simplified. (Dwg.0/0)  
IW - CHEMICAL BLACKEN GALVANIC ZINC@ NICKEL@ ALLOY COATING PROTECT DECORATE PURPOSE TREAT SOLUTION CONTAIN NITRIC ACID SULPHAMIC ACID ROOM TEMPERATURE SIMPLIFY PROCESS  
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INW - NAGIRNYI V M; PRIKHODKO L A  
NC - 001  
OPD - 1991-01-18  
ORD - 1993-03-15  
PAW - (DNEP-R) DNEPR MASH TECHN INST  
TI - Chemical blackening of galvanic zinc@-nickel@ alloy coatings for protective and decorative purposes - Involves treatment with soln. contg. nitric acid and sulphamic acid at room temp. to simplify process